

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-69. (Canceled)

70. (Currently amended) A method for making a genetically stable cell that produces a therapeutically hypermutated immunogen comprising the steps of:
introducing into a first cell that expresses a ~~polynucleotide gene~~ encoding a preselected immunogen *in vitro* a polynucleotide comprising a nucleotide sequence encoding the first 133 amino acids of PMS2 comprising PMS2-134, wherein the expression product of the polynucleotide comprising a nucleotide sequence encoding the first 133 amino acids of PMS2 is capable of inhibiting mismatch repair,
selecting cells that comprise a mutation in said ~~polynucleotide gene~~ encoding said preselected immunogen, wherein the mutation results in enhanced antigenicity or immunogenicity of said immunogen; and expressing a polynucleotide sequence ~~of said mutated gene~~ encoding said preselected immunogen and comprising said mutation in a second cell, wherein said second cell is genetically stable.

71. (Canceled)

72. (Currently amended) The method of claim 70 wherein said introduction of said polynucleotide comprising a nucleotide sequence encoding the first 133 amino acids of PMS2 is in the presence of at least one DNA mutagen.

73. (Canceled)

74. (Currently amended) The method of claim 73 wherein the polynucleotide comprising a nucleotide sequence encoding the first 133 amino acids of PMS2 comprises a truncation mutation at codon 134.

75. (Previously Presented) The method of claim 74 wherein the truncation mutation is a thymidine at nucleotide 424 of wild-type PMS2.

76. (Currently amended) The method of claim 70 wherein said step of selecting cells is based on a determination that the polynucleotide encoding said preselected immunogen comprises a mutation not present in said polynucleotide encoding said preselected immunogen ~~as compared to the polynucleotide encoding said preselected immunogen of a parental cell~~ prior to introduction of the polynucleotide comprising a nucleotide sequence encoding the first 133 amino acids of PMS2 ~~PMS2-134~~.

77. (Canceled)

78. (New) The method of claim 70 further comprising culturing said second cell.